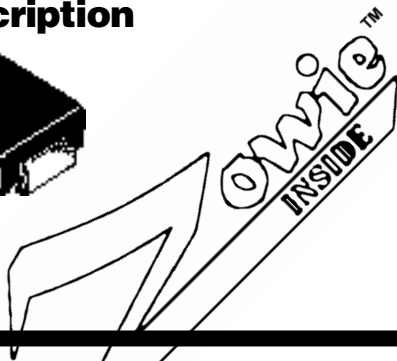
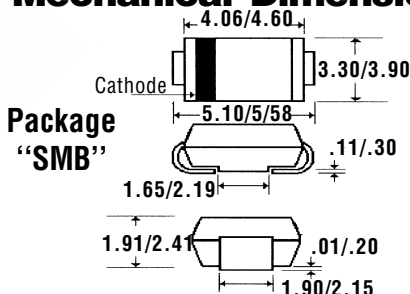


**Description****Mechanical Dimensions****Features**

- **LOWEST COST FOR GLASS SINTERED ULTRA - FAST CONSTRUCTION**
- **2.0 AMP OPERATION @ $T_A = 55^\circ\text{C}$, WITH NO THERMAL RUNAWAY**
- **LOWEST V_F FOR GLASS SINTERED ULTRA - FAST CONSTRUCTION**
- **SINTERED GLASS CAVITY-FREE JUNCTION**
- **TYPICAL $I_R < 100$ nAmps**

Electrical Characteristics @ 25°C.		UGFZ20A . . . 20G Series				Units
Maximum Ratings		20A	20B	20D	20G	
Peak Repetitive Reverse Voltage... V_{RRM}		50	100	200	400	Volts
RMS Reverse Voltage... $V_{R(rms)}$		35	70	140	280	Volts
DC Blocking Voltage... V_{DC}		50	100	200	400	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_L = 55^\circ\text{C}$ (Note 2)		2.0				Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} 8.3ms, ½ Sine Wave Superimposed on Rated Load		65				Amps
Forward Voltage @ 2.0A... V_F		< 0.95 >				Volts
Full Load Reverse Current... $I_R(av)$ Full Cycle Average @ $T_A = 125^\circ\text{C}$		100				μAmps
DC Reverse Current... $I_{R(max)}$ @ Rated DC Blocking Voltage $T_A = 25^\circ\text{C}$		5.0				μAmps
Typical Junction Capacitance... C_j (Note 1)		35				pF
Typical Thermal Resistance... $R_{\theta JA}$ (Note 2)		16				°C/W
Maximum Reverse Recovery Time... t_{RR} (Note 3)		35				nS
Operating & Storage Temperature Range... T_J, T_{STRG}		-65 to 175				°C

NOTES: 1. Measured @ 1 MHZ and applied reverse voltage of 4.0V.2. 5.0mm² (.013mm thick) land areas.3. Reverse Recovery Condition $I_F = 0.5A$, $I_R = 1.0A$, $I_{RR} = 0.25A$.